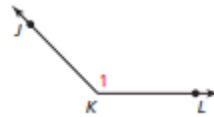


CYU 1.5 Measuring & Constructing Angles

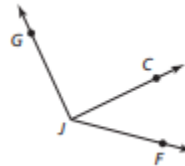
Use when you get it right all by yourself
S *Use when you did it all by yourself, but made a silly mistake*
H *Use when you could do it alone with a little help from teacher or peer*
G *Use when you completed the problem in a group*
X *Use when a question was attempted but wrong (get help)*
N *Use when a question was not even attempted*

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Naming Angles	1	2	12
Using a protractor	3, 4	5	
Classifying angles: right, obtuse, acute	3, 4	5, 7, 8	13
Angle Addition Postulate	6	7, 8	11, 12
Angle Bisector		9	10

1. Write three names for the angle given.



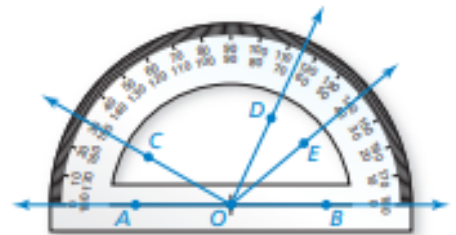
2. Name three different angles in the given diagram.



3. Find $m\angle AOC$. Then classify the angle.

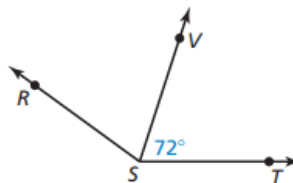
4. Find $m\angle COD$. Then classify the angle.

5. Describe and correct the error in finding the angle measure.

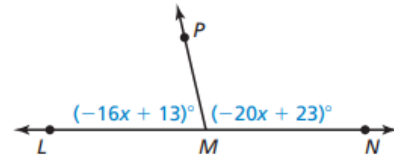


X
 $m\angle DOE = 65^\circ$

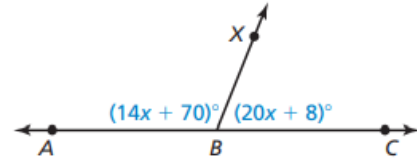
6. $m\angle RST = 114^\circ$. Find $m\angle RSV$.



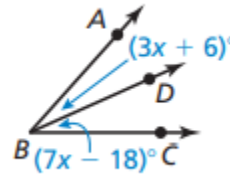
7. $\angle LMN$ is a straight angle. Find $m\angle LMP$ and $m\angle NMP$.



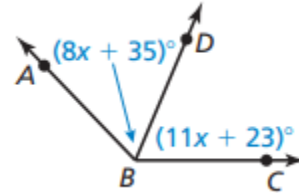
8. $\angle ABC$ is a straight angle. Find $m\angle ABX$ and $m\angle CBX$.



9. \overrightarrow{BD} bisects $\angle ABC$. Find $m\angle ABD$, $m\angle CBD$, and $m\angle ABC$.



10. \overrightarrow{BD} bisects $\angle ABC$. Find $m\angle ABD$, $m\angle CBD$, and $m\angle ABC$.



11. The map shows the intersections of three roads. Malcom Way intersects Sydney Street at an angle of 162° . Park Road intersects Sydney Street at an angle of 87° . Find the angle at which Malcom Way intersects Park Road.

12. In $\angle ABC$, \overrightarrow{BX} is in the interior of the angle, $m\angle ABX$ is 12 more than 4 times $m\angle CBX$, and $m\angle ABC = 92^\circ$.

a. Draw a diagram to represent the situation.

b. Write and solve an equation to find $m\angle ABX$ and $m\angle CBX$.

13. The angle between the minute hand and the hour hand of a clock is 90° . What time is it? Justify your answer.

CYU Reflection: How far can you go: basic, intermediate, or advanced?

Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself.

1	2	3	4	5	6	7	8
Basic		Intermediate			Advanced		Solved ALL!

